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B—480—2019

FACULTY OF SCIENCE

B.Sc. (Second Year) (Fourth Semester) EXAMINATION

MAY/JUNE, 2019

(CBCS Pattern)

COMPUTER SCIENCE

Paper IX

(Programming in Java)

(MCQ+Theory)

(Saturday, 4-5-2019)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Attempt All questions.

(ii) Figures to the right indicate full marks.

(iii) Assume suitable data, if necessary.

(MCQ)

1. Select the *correct* answer of the following MCQs : 10

(i) is inventor of Java.

(A) Dennis Ritchie

(B) Grace Hopper

(C) James Gosling

(D) John Kemeny

(ii) In Java program structure the first statement allowed in a Java file is a statement.

(A) Import

(B) Interface

(C) Package

(D) Class

(iii) is an identifier that denotes a storage location used to store a data value.

(A) Constants

(B) Variable

(C) Operators

(D) Data types

P.T.O.

- (iv) The statement tests the value of a given variable against a list of case values and when match is found a block of statement associated with that case is executed.
- (A) IF (B) Switch
(C) DO (D) While
- (v) In Java, strings are class objects and implemented using two classes, namely string and
- (A) String buffer (B) Array
(C) Vectors (D) Wrapper class
- (vi) In Java, system package has set of classes for implementing graphical uses interface.
- (A) java.lang (B) java.util
(C) java.awt (D) java.net
- (vii) JVM stands for java machine.
- (A) Variable (B) Virtual
(C) Validate (D) Visual
- (viii) To execute java programs command is used.
- (A) Javac (B) Java
(C) Java exe (D) Javarun
- (ix) In Java, system package input/output support classes.
- (A) Java.applet (B) Java.util
(C) Java.io (D) Java.lang
- (x) Compilation of Java Program file is created.
- (A) .class (B) .java
(C) .txt (D) .exe

(Theory)

2. Write a java program to find smallest and largest of two numbers. 10

Or

(a) Explain java features. 5

(b) Explain concept of constructors. 5

3. Explain decision making statements with examples. 10

Or

(a) Explain creating one dimensional array with example. 5

(b) Explain concept of Interface. 5

4. Explain Java API packages. 10

Or

(a) Describe java program structure with example. 5

(b) Explain any *two* operators with example. 5